

S 05-0396
T 76677
AI# 1406
stone, Jim

MOTIVA
ENTERPRISES LLC

February 3, 2005

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Louisiana Department of Environmental Quality
Emergency Response and Enforcement
ATTENTION: SURVEILLANCE DIVISION - S.P.O.C.
P. O. Box 4312
Baton Rouge, LA 70821-4312

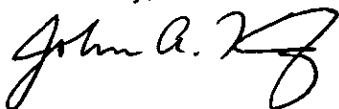
**SUBJECT: REPORT OF UNANTICIPATED BYPASS DUE TO UPSET
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, LOUISIANA
LPDES PERMIT NO. LA0003522
LDEQ REPORT NO. S05-0396
AGENCY INTEREST NO. 1406**

As required by LAC 33:IX.2355.N.3 and Part III of the subject permit, Motiva Enterprises LLC is providing a written follow-up report of an unanticipated bypass of a wastewater treatment facility that occurred on February 1, 2005. The incident was due to an upset condition as defined by LAC 33:IX.2355.N.1. The incident began at 2016 on February 1, 2005 and verbal notification was made of the event at 0840 on February 2, 2005. The details of the incident are as follows:

On February 1, 2005, the Norco area experienced extremely heavy rainfall. Due to the heavy rains, Motiva was forced to open LPDES Outfall 006 to prevent flooding of the refinery and damage to the Storm Water Impoundment Basin (SWIB) from overtopping of the SWIB retaining levee. Outfall 006 serves as the bypass outfall for the Refinery Wastewater Treatment System (RWTS) and is used to prevent/reduce flooding of the refinery during extreme rainfall events. Outfall 006 discharges to Engineer's Canal and then to Lake Pontchartrain via a flood control structure through the St. Charles Parish Hurricane Protection Levee. Motiva's normal operating procedures call for the initiation of bypass operations when no capacity remains in the RWTS and a bypass is the only alternative to prevent flooding of the facility. All required sample collection and analysis required by LPDES Permit LA0003522 were conducted in conjunction with the opening of Outfall 006. Bypass operations were stopped at 0245 on February 3, 2005.

This incident was not preventable and no exceedences of the permit limits are expected as a result of this incident. The facility was being properly operated and maintained at the time of the incident and all required notifications were made. If you have any questions or require any additional assistance regarding this matter, please contact Mr. Oliver Boyd at (504) 465-6315.

Sincerely,



J. A. King
Manager - Environmental

ORB/ mae

RECEIVED

FEB 9 2005

DEQ
Single Point of Contact

cc: CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Louisiana Department of Environmental Quality
Southeast Regional Office
201 Evans Road, Bldg. 4, Suite 420
New Orleans LA 70123-5320

CERTIFIED MAIL™

MOTIVA

ENTERPRISES LLC

15536 River Road P.O. Box 10 Norco, LA 70079

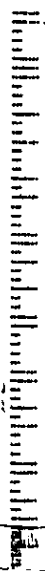
7002 2410 0005 7821 0126



CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Louisiana Department of Environmental Quality
Emergency Response and Enforcement
P. O. Box 4312
Baton Rouge, LA 70821-4312

ATTN: SURVEILLANCE DIVISION -S.P.O.C.
"UNAUTHORIZED DISCHARGE NOTIFICATION REPORT"

708214312



9264

70821

U.S. POSTAGE
PAID
NORCO, LA
70079
FEB 03, 05
AMOUNT

\$0.00
00026548-03

Incident Reporter

Received By: Ellen Gannuch
Received Date: FEB-02-05 08:45:00
Dispatch #: s05-0396
Reported By: Wade Gauthreaux, Agency Interest Self Rept
Phone Desc: 504-465-7342
Reporter Title:
Org Desc: Motiva
Address: 15536 River Rd.

Municipality: Norco
State Code: LA
Zip Code: 70079
Comments: This was a self reported event.

Incident Description

Incident Type: Release/Spill, Facility Discharge/Release
Incident Date: FEB-01-05 20:16:00
Parish: St. Charles
Municipality: Norco
Location: Motiva - 15536 River Rd. - Norco
Lat/Lon:
Basin/Segment:
Substance:
Media Impacted: Water
Incident Desc: s05-0396 Bypassed water treatment plant due to heavy rains...system over capacity. col

Incident Source

Source Name: Motiva Enterprises LLC - Norco Refinery
Address: 15536 River Rd
 (a portion of)

Municipality: Norco
State: LA
Phone:
Parish: St. Charles
AI#: 1406
Related Permits: 0
Investigation Findings: This discharge was due to an overload of a water treatment plant. The discharge was reported as required in Permit # LA0003522. On February 1, 2005, the site was subjected to very high rainfall. The first flush was sent to the stormwater treatment system and then in accordance with the permit the remainder of the storm event was bypassed via Engineer Canal to Lake Pontchartrain. The company was required, by the conditions found in the permit, to bypass the treatment system whenever the system was about to become hydraulically overloaded. This was an "Act of God" event. No human error was involved.

Incident Status

Lead Investigator: Jim Stone
Region: Southeast
Incident Status: Closed
As Of: 04/19/2005

J. Stone
Ellen Barber

4/20/05

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM**

AGENCY INTEREST#: 1406 INSPECTION DATE: 4/15/05 TIME OF ARRIVAL: 10 19

ALTERNATE ID#: 26336 DEPARTURE DATE: _____ TIME OF DEPARTURE: _____

FACILITY NAME: MOTIVA ENTERPRISES LLC (ID Type/Number) PH #: 524 465 7606

LOCATION: 15536 RIVER ROAD

NORCO LA 70079 PARISH NAME: ST CHARLES

RECEIVING STREAM (BASIN/SUBSEGMENT): _____

MAILING ADDRESS: PO BOX 10 NORCO LA 70079

FACILITY REPRESENTATIVE: ADRIAN FORD (Street/P.O. Box) (City) (State) (ZIP) TITLE: BAKER

FACILITY REPRESENTATIVE PHONE NUMBER: _____

NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above):
SOY TIR - ENVIRONMENTAL MANAGER

INSPECTION TYPE: INCIDENT PROGRAM INVOLVED: AIR WASTE WATER OTHER _____

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

OLIVER BOYD
76677 - THEY CAN HANDLE 8-10 INCHES IN A 24 HOUR RAIN
EVENT AND ABOUT 3 INCHES PER HOUR. THIS WAS AN
INTENSE EVENT. THE FIRST FLUSH WENT TO THE
WASTE WATER TREATMENT SYSTEM AND THEN THE REST
WENT TO LAKE PONTCHARTRAIN VIA ENGINEERS CANAL
THE INCIDENT WAS NOT PREVENTABLE, NO HUMAN
ERROR WAS INVOLVED.
76659 - THERE WAS A MECHANICAL FAILURE

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?	
		YES	NO
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PHOTOS TAKEN: YES NO SAMPLES TAKEN: YES NO (Attach Chain-of-custody)

RECEIVED BY: SIGNATURE: [Signature]

PRINT NAME: Paul Tupper

(NOTE: SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH INSPECTOR'S STATED OBSERVATIONS)

INSPECTOR(S): JH Stone CROSS REFERENCE: _____
JH Stone ATTACHMENTS: _____

REVIEWER: Ellen Barber

NOTE: The Information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any requirements of statutes regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisiana Environmental Quality Act.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM**

AGENCY INTEREST#: 26336 INSPECTION DATE: 4/15/05 TIME OF ARRIVAL: 10:19

ALTERNATE ID#: _____ DEPARTURE DATE: _____ TIME OF DEPARTURE: _____

FACILITY NAME: SHELL CHEMICALS (ID Type/Number) 504 PH #: 465-7220

LOCATION: 15536 RIVER ROAD

NORCO LA 70079 PARISH NAME: ST CHARLES

RECEIVING STREAM (BASIN/SUBSEGMENT): N/A

MAILING ADDRESS: P.O. Box NORCO LA 70079
(Street/P.O. Box) (City) (State) (ZIP)

FACILITY REPRESENTATIVE: ANDY ENGLAND TITLE: BAFER

FACILITY REPRESENTATIVE PHONE NUMBER: 504 465 7011

NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above):

VINCE BRUNO, HSSE/IA INTERIM MANAGER

INSPECTION TYPE: INCIDENT PROGRAM INVOLVED: AIR WASTE WATER OTHER _____

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

76671-259 ISOBUTENE - THE LEVEL CONTROLLER
ON THE BDS SOLVENT RECOVERY COLUMN WAS NOT
FUNCTIONING PROPERLY - IT WAS REPAIRED AND RETURNED
TO SERVICE - THE NOx FROM THE FLORE WAS BELOW PD
NO HUMAN ERROR.

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?	
		YES	NO
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PHOTOS TAKEN: YES NO SAMPLES TAKEN: YES NO (Attach Chain-of-custody)

RECEIVED BY: SIGNATURE: Andrew England III

PRINT NAME: Andrew ENGLAND III

(NOTE: SIGNATURE DOES NOT NECESSARILY INDICATE AGREEMENT WITH INSPECTOR'S STATED OBSERVATIONS)

INSPECTOR(S): JH Stone
JH STONE

CROSS REFERENCE: _____

ATTACHMENTS: _____

REVIEWER: Ella Barber

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any requirements of statutes regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisiana Environmental Quality Act.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
ADDITIONAL OBSERVATIONS (cont'd)

AGENCY INTEREST#: 1406 ALTERNATE ID#: LA 0003522 INSPECTION DATE: 4/15/05

FACILITY NAME: MOTIVA ENTERPRISES LLC

INSPECTOR OBSERVATIONS CONT'D: 76659

1406
IN THE ~~THE~~ DISCHARGE NIPPLE BETWEEN THE
SANITARY SEWER AND THE DRAIN FROM THE
CEN MAIN SHOP. THIS WAS A MECHANICAL FAILURE
AND NOT DUE TO HUMAN ERROR BUT IT IS
INCLUDED THE CONSOLIDATED COMPLIANCE ORDER/NOMP
WE-CN-04-1034 AND IS BEING REVIEWED BY
THE COMPANY AND ENFORCEMENT.

76771 - THIS WAS A PERMITTED FLARING EVENT -
THE SITE SUPERVISORS ARE CALLED ON TO NOTIFY
AND LET ENVIRONMENTAL SORT IT OUT - THIS
WAS NORMAL OPERATIONS AND NOT AN EVENT.

76736
76735 - THIS IS STILL UNDER REVIEW - A ROOT CAUSE ANALYSIS
WILL FOLLOW

76736
77467 - BUTADIENE WAS RELEASED 8# -

THERE WAS A PUMP PROBLEM ON THE DEBUTANIZER.

26736
WHILE THE SPARE WAS BEING PLACED IN SERVICE
SOME MATERIAL WAS FLARED AND ABOUT 8# OF
BUTADIENE WAS RELEASED. THIS IS A PERMITTED
MAINTENANCE ACTIVITY UP TO 319# / DAY (2510-V2)

26736
76324 - 16 MINUTES OF FLARING BUT SO₂ EXCEEDED
PERMIT 2510+V2. THIS WAS FROM THE DRY GAS THAT
SHELL CHEMICAL GETS FROM MAP, VALERO + LOCAL GAS.
NO HUMAN ERROR WAS INVOLVED

1406
77688 - THIS BLACK MATERIAL CAME FROM THE
SHIP "KEYSTONE TEXAS" WHICH HAD JUST
LEFT THE SHELL DOCK. THIS IS NOT A SHELL INCIDENT

1406
76388 - FLARE (2510-V-1) (HYDROCRACKER FLARE) HAD A
BRIEF FLAMEOUT. THE FLARE WAS IMMEDIATELY
RELIT. THE UNBURNED VOC DID NOT EXCEED AN RQ.
NO PERMIT LIMITS WERE EXCEEDED.

INITIALS OF RECEIPT P.F.T.

JH



February 3, 2005

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Louisiana Department of Environmental Quality
Emergency Response and Enforcement
ATTENTION: SURVEILLANCE DIVISION - S.P.O.C.
P. O. Box 4312
Baton Rouge, LA 70821-4312

76677
AI# 1406

**SUBJECT: REPORT OF UNANTICIPATED BYPASS DUE TO UPSET
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, LOUISIANA
LPDES PERMIT NO. LA0003522
LDEQ REPORT NO. S05-0396
AGENCY INTEREST NO. 1406**

As required by LAC 33:IX.2355.N.3 and Part III of the subject permit, Motiva Enterprises LLC is providing a written follow-up report of an unanticipated bypass of a wastewater treatment facility that occurred on February 1, 2005. The incident was due to an upset condition as defined by LAC 33:IX.2355.N.1. The incident began at 2016 on February 1, 2005 and verbal notification was made of the event at 0840 on February 2, 2005. The details of the incident are as follows:

On February 1, 2005, the Norco area experienced extremely heavy rainfall. Due to the heavy rains, Motiva was forced to open LPDES Outfall 006 to prevent flooding of the refinery and damage to the Storm Water Impoundment Basin (SWIB) from overtopping of the SWIB retaining levee. Outfall 006 serves as the bypass outfall for the Refinery Wastewater Treatment System (RWTS) and is used to prevent/reduce flooding of the refinery during extreme rainfall events. Outfall 006 discharges to Engineer's Canal and then to Lake Pontchartrain via a flood control structure through the St. Charles Parish Hurricane Protection Levee. Motiva's normal operating procedures call for the initiation of bypass operations when no capacity remains in the RWTS and a bypass is the only alternative to prevent flooding of the facility. All required sample collection and analysis required by LPDES Permit LA0003522 were conducted in conjunction with the opening of Outfall 006. Bypass operations were stopped at 0245 on February 3, 2005.

This incident was not preventable and no exceedences of the permit limits are expected as a result of this incident. The facility was being properly operated and maintained at the time of the incident and all required notifications were made. If you have any questions or require any additional assistance regarding this matter, please contact Mr. Oliver Boyd at (504) 465-6315.

Sincerely,

J. A. King
Manager - Environmental

ORB/ mae

cc: CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Louisiana Department of Environmental Quality
Southeast Regional Office
201 Evans Road, Bldg. 4, Suite 420
New Orleans LA 70123-5320